

Amendments to the Claims

Please cancel claims 1 - 10 without prejudice and add claims 11 - 27, as indicated herein. This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1 - 10. (Cancelled)

11. (New) A method for lubricating and cleaning a conveyor for filling containers that hold beverages or foods, comprising:

diluting a product concentrate comprising 0.5 % to 99.5% by weight of a lubricating component and 0.5 % to 90 % by weight of a clear solubility improver with water by a first dilution factor to form a lubricating solution,

diluting the product concentrate with water by a second dilution factor to form a cleaning solution, wherein the second dilution factor is 5 to 100 times greater than the first dilution factor,

contacting the conveyors with the lubricating solution during operation of the conveyor for filling containers that hold beverages or foods, and

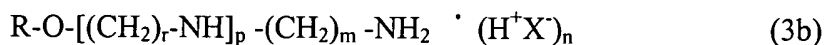
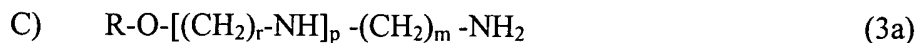
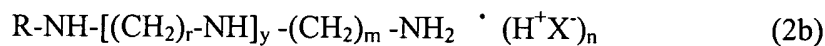
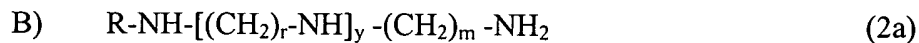
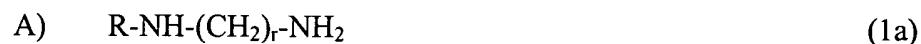
contacting the conveyors with the cleaning solution without interrupting the operation of the conveyor for filling containers that hold beverages or foods.

12. (New) The method according to claim 11, wherein the lubricating component comprises at least one of ether amines, ether diamines, ether polyamines, monoamines, diamines, polyamines, imidazole derivatives, and salts thereof, and the clear solubility improver comprises at least one of amphoteric surfactant and ether carboxylic acid.

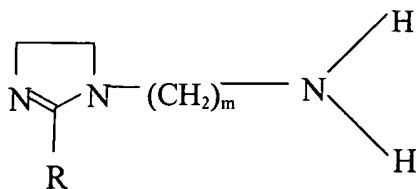
13. (New) The method according to claim 11, wherein each component of the lubricating component comprises at least one alkyl group with 6 to 22 carbon atoms.

14. (New) The method according to claim 13, wherein the product concentrate further comprises 1 % to 40 % by weight of the lubricating component and 1 % to 50% by weight of the clear solubility improver.

15. (New) The method according to claim 11, wherein the product concentrate further comprises at least one of nonionic surfactant and amphoteric surfactant.
16. (New) The method according to claim 11, wherein the product concentrate further comprises at least one of alkoxyated fatty amine, fatty alcohol, and alkoxyated fatty alcohol.
17. (New) The method according to claim 11, wherein the water used for diluting the product concentrate by a second dilution factor has a temperature of 5 °C to 80 °C.
18. (New) The method according to claim 11, wherein the lubricating component comprises at least one of the following formula:



E)



(5)

in which the substituents R represent

a linear or branched, saturated or mono- or polyunsaturated alkyl group containing 6 to 22 carbon atoms,

the substituents Y independently of one another represent hydrogen or a methyl group,

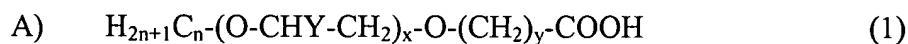
X⁻ is an equivalent of an anion from the group consisting of amidosulfonate, nitrate, halide, sulfate, hydrogen carbonate, carbonate, phosphate or carboxylate,

m, r and y independently of one another are integers of 1 to 6,

p is 0 or an integer of 1 to 6 and

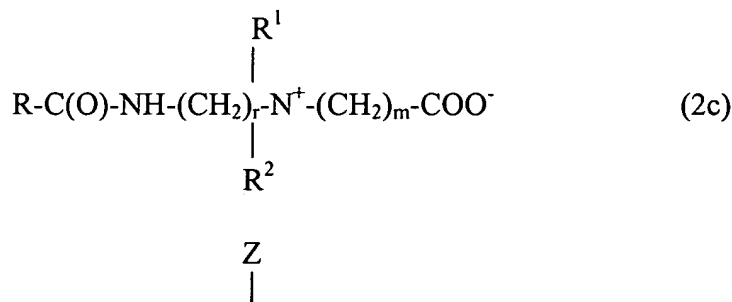
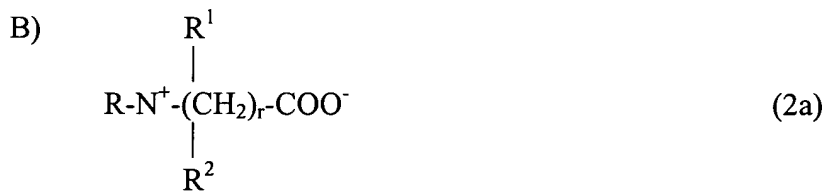
n in B) is an integer of 1 to 2+y and, in C), an integer of 1 to 1+p.

19. (New) The method according to claim 11, wherein the ether carboxylic acid comprises the following formula:



where Y is hydrogen or a methyl group, n is a number of 10 to 20, x is a number of 1 to 20 and y is a number of 1 to 5, and

the amphoteric surfactant comprises at least one of the following formula:





where the substituents R represent

a linear or branched, saturated or mono- or polyunsaturated alkyl group containing 8 to 22 carbon atoms,

Z has the same meaning as R¹ or is a group with the formula $-(\text{CH}_2)_m\text{-COOH}$,

R¹ and R² independently of one another represent hydrogen, methyl, ethyl, hydroxyethyl or alkoxylate groups and r and m independently of one another are integers of 1 to 6.

20. (New) The method according to claim 11, wherein

contacting the conveyors with the lubricating solution comprises spraying with a nozzle the lubricating solution onto a surface of the conveyor,

contacting the conveyors with the cleaning solution comprises spraying with the nozzle the cleaning solution onto the surface of the conveyor,

diluting the product concentrate to form the lubricating solution comprises using a first dosing pump of a dosing station, and

diluting the product concentrate to form the cleaning solution comprises using a second dosing pump of the dosing station.

21. (New) The method according to claim 20, wherein

diluting the product concentrate to form the lubricating solution further comprises using a water throughflow meter, and

diluting the product concentrate to form the cleaning solution further comprises using the water throughflow meter.

22. (New) The method according to claim 20, wherein

diluting the product concentrate to form the lubricating solution further comprises using an adjustable time switch for alternating between the first dosing pump and the second dosing pump, and

diluting the product concentrate to form the cleaning solution further comprises using the adjustable time switch for alternating between the first dosing pump and the second dosing

pump.

23. (New) The method according to claim 20, wherein

contacting the conveyors with the cleaning solution further comprises spraying with an underneath nozzle the cleaning solution onto an underside surface of the conveyor.

24. (New) The method according to claim 11, wherein

contacting the conveyors with the lubricating solution comprises spraying with a nozzle the lubricating solution onto a surface of the conveyor,

contacting the conveyors with the cleaning solution comprises spraying with the nozzle the cleaning solution onto the surface of the conveyor,

diluting the product concentrate to form the lubricating solution comprises using a dosing pump of a dosing station, and

diluting the product concentrate to form the cleaning solution comprises using the dosing pump of the dosing station.

25. (New) The method according to claim 24, wherein

diluting the product concentrate to form the lubricating solution further comprises using a water throughflow meter, and

diluting the product concentrate to form the cleaning solution further comprises using the water throughflow meter.

26. (New) The method according to claim 24, wherein

diluting the product concentrate to form the lubricating solution further comprises using an adjustable time switch for changing the dilution factor, and

diluting the product concentrate to form the cleaning solution further comprises using the adjustable time switch for changing the dilution factor.

27. (New) The method according to claim 24, wherein

contacting the conveyors with the cleaning solution further comprises spraying with an underneath nozzle the cleaning solution onto an underside surface of the conveyor.